

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.: 2003_1893A

First Named Inventor : Keiichi MURAYAMA et al.

Title: HETERO-JUNCTION BIPOLAR TRANSISTOR AND
MANUFACTURING METHOD THEREOF

Express Mail Label No.:

031088 U.S. PTO
10/748158

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-14501. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)7. ☐ CD-ROM or CD-R in duplicate, large table or computer
program (Appendix)2. ☐ Small Entity Status is hereby asserted.8. ☐ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)3. ☒ Specification [Total Pages: 24]

(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Sequence Listing, a table, or a computer program listing appendix.

a. ☐ Computer Readable Form

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); orii. ☐ Paperc. ☐ The paper and computer readable copies are identical

- Background of the Invention

- Brief Summary of the Invention

- Brief Description of the Drawings (if filed)

- Detailed Description

- Claim(s)

- Abstract of the Disclosure

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)
☐ Power of Attorney11. ☐ English Translation Document (if applicable)12. ☐ Information Disclosure Statement (IDS)/PTO-1449
☐ Copies of IDS Citations13. ☐ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)15. ☒ Certified Copy of Priority Document(s)
(if foreign priority is claimed)16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i).

Applicant must attach form PTO/SB/35 or its equivalent.

17. ☒ Other CLAIM OF PRIORITY UNDER 35 USC 1194. ☒ Drawing(s) (35 USC 113)

[Total Sheets: 6]

5. ☒ Oath or Declaration

[Total Pages: 3]

a.1. ☒ Newly executed (original or copy)a.2. ☐ Unexecutedb. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)i. ☐ DELETION OF INVENTOR(S)Signed statement attached deleting inventor(s) named
in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).6. ☐ Application Data Sheet (see 37 CFR 1.76)18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below, and in a preliminary amendment, or
in an Application Data Sheet:☐ Continuation☐ Divisional☐ Continuation-in-part (CIP)

of prior application No.

Prior Application Information Examiner

Group Art Unit

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference therein. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

CUSTOMER NO.

000513

By:

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December 31, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Keiichi MURAYAMA et al. :
Serial No. NEW : **Attn: APPLICATION BRANCH**
Filed December 31, 2003 : Attorney Docket No. 2003_1893A

HETERO-JUNCTION BIPOLAR TRANSISTOR
AND MANUFACTURING METHOD THEREOF

PATENT OFFICE FEE TRANSMITTAL FORM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached hereto is a check in the amount of \$810.00 to cover Patent Office fees relating to filing the following attached papers:

New application \$770.00
Assignment for Recordal \$40.00

Additional Claims Fee:
Excess of Twenty \$
Independent \$
Multiple Dependent Fee \$

A duplicate copy of this paper is being submitted for use in the Accounting Division, Office of Finance.

The Commissioner is authorized to charge any deficiency or to credit any overpayment associated with this communication to Deposit Account No. 23-0975, with the EXCEPTION of deficiencies in fees for multiple dependent claims in new applications.

Respectfully submitted,

Keiichi MURAYAMA et al.

By Michael S. Huppert
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[Check No. 59511]

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